

PRONTUARIO DEI PESI TEORICI



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COMMERCIO ACCIAI E TUBI

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Tenaris Dalmine
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SERVIZIO CON TAGLIO A MISURA

- ▶ **FUCINATI** ▶ **LAMINATI**
- ▶ **TRAFILATI** ▶ **RETTIFICATI**
- ▶ **CROMATI** ▶ **TEMPRATI**

TUBI SENZA SALDATURA E SALDATI DI MEDIO E GROSSO SPESSORE

diametro esterno mm	SPESSORE (mm)											
	2,90	3,20	3,60	4,05	4,50	5,00	5,60	6,30	7,10	8,00	8,80	10,00
17,2	1,03	1,11	1,21	1,31	1,41	-	-	-	-	-	-	-
21,3	1,33	1,44	1,59	1,72	1,87	2,01	2,17	-	-	-	-	-
26,9	1,73	1,89	2,09	2,28	2,48	2,70	2,94	3,21	3,48	-	-	-
30,0	1,94	2,14	2,37	2,57	2,83	3,08	3,37	3,76	4,03	4,34	-	-
33,7	2,22	2,42	2,69	2,95	3,23	3,54	3,87	4,27	4,67	5,05	5,39	5,85
35,0	2,30	2,51	2,79	3,06	3,38	3,70	4,06	4,46	4,89	5,33	5,69	6,17
38,0	2,51	2,77	3,08	3,36	3,72	4,07	4,47	4,95	5,43	5,92	6,33	6,91
40,0	2,65	2,90	3,23	3,55	3,94	4,32	4,75	5,23	5,76	6,31	6,77	7,40
42,4	2,84	3,11	3,47	3,81	4,19	4,61	5,07	5,62	6,19	6,76	7,27	7,99
44,5	2,98	3,28	3,65	4,00	4,44	4,87	5,35	5,95	6,56	7,20	7,72	8,51
48,3	3,27	3,59	4,00	4,41	4,85	5,34	5,85	6,55	7,24	7,93	8,56	945
51,0	3,44	3,79	4,23	4,64	5,16	5,67	6,24	6,95	7,69	8,43	9,10	10,10
54,0	3,66	4,01	4,47	4,93	5,49	6,04	6,68	7,39	8,20	9,08	9,76	10,90
57,0	3,87	4,25	4,74	5,23	5,83	6,41	7,10	7,81	8,61	9,67	10,40	11,60
60,3	4,11	4,51	5,03	5,62	6,19	6,82	7,55	8,37	9,32	10,30	11,10	12,40
63,5	4,33	4,76	5,32	5,87	6,54	7,21	7,99	8,87	9,88	10,90	11,80	13,20
70,0	4,80	5,27	5,90	6,51	7,27	8,02	8,89	9,82	11,00	12,20	13,20	14,80
73,0	5,01	5,51	6,16	6,80	7,60	8,39	9,31	10,30	11,50	12,80	13,90	15,50
76,1	5,23	5,75	6,44	7,11	7,95	8,77	9,74	10,80	12,10	13,40	14,60	16,30
82,5	5,69	6,26	7,01	7,74	8,66	9,56	10,10	11,80	13,00	14,70	15,90	17,90
88,9	6,15	6,76	7,57	8,38	9,37	10,30	11,50	12,70	14,30	15,90	17,30	19,50
101,6	7,06	7,77	8,70	9,63	10,50	11,90	13,30	14,80	16,50	18,50	20,00	22,60
108,0	7,52	8,27	9,27	10,30	11,50	12,70	14,10	15,70	17,70	19,70	21,40	24,20
114,3	7,97	8,77	9,83	11,00	12,20	13,50	15,00	16,60	18,80	21,00	22,80	25,70
127,0	8,87	9,77	11,00	12,10	13,60	15,00	16,80	18,60	21,00	23,50	25,50	28,80
133,0	9,30	10,20	11,50	12,70	14,30	15,80	17,60	19,70	21,00	24,60	26,90	30,30
139,7	9,78	10,80	12,10	13,40	15,00	16,60	18,50	20,70	23,20	25,90	28,20	32,00
152,4	10,70	11,80	13,20	14,60	16,40	18,20	20,20	22,70	25,40	28,50	31,00	35,10
159,0	11,10	12,30	13,80	15,30	17,10	19,00	21,20	23,70	26,60	29,80	32,60	36,70
168,3	11,80	13,10	14,70	16,30	18,10	20,10	22,40	25,30	28,30	31,50	34,50	39,00
193,7	13,70	15,10	16,80	18,70	21,00	23,30	25,90	29,10	32,70	36,60	39,90	45,30

TUBI SENZA SALDATURA LISCI COMMERCIALI

diametro esterno mm	spessore mm	peso kg / m
17,2	1,80	0,69
21,3	2,00	0,96
26,9	2,00	1,24
30,0	2,30	1,60
33,7	2,30	1,80
38,0	2,60	2,30
42,4	2,60	2,60
44,5	2,60	2,70
48,3	2,60	2,95
51,0	2,60	3,12
54,0	2,60	3,32
57,0	2,90	3,87
60,3	2,90	4,11
70,0	2,90	4,80
76,1	2,90	5,23
88,9	3,20	6,76
101,6	3,60	8,70
108,0	3,60	9,27
114,3	3,60	9,83
133,0	4,00	12,70
139,7	4,00	13,40
159,0	4,50	17,10
168,3	4,50	18,10
193,7	5,60	25,90
219,1	6,30	33,10
244,5	6,30	37,10
273,0	6,30	41,60
323,9	7,10	55,50
355,6	8,00	68,30
368,0	8,00	70,80
406,4	8,80	85,90
419,0	8,80	88,70

TUBI GAS

pollici	diametro esterno mm	spessore mm	peso kg / m senza manicotto	peso kg / m con manicotto
1/8	10,2	1,80	0,369	0,372
1/4	13,5	2,00	0,573	0,577
3/8	17,2	2,00	0,747	0,753
1/2	21,3	2,35	1,100	1,110
3/4	26,9	2,35	1,410	1,420
1"	33,7	2,90	2,210	2,220
1 1/4	42,4	2,90	2,840	2,870
1 1/2	48,3	2,90	3,260	3,300
2"	60,3	3,25	4,560	4,630
2 1/2	76,1	3,25	5,810	5,930
3"	88,9	3,65	7,650	7,820
4"	114,3	4,05	11,000	11,300
5"	139,7	4,85	16,200	16,700
6"	165,1	4,85	19,200	19,800
8"	219,1	6,30	33,310	34,310
10"	273,0	6,30	41,770	43,250

I pesi sono stati calcolati in base al peso specifico di Kg. 7,85 dm³



TUBI DI GROSSO SPESSORE LAMINATI A CALDO

Table with columns for diametro esterno mm (42.4 to 711.2) and SPESSORE (mm) (6.3 to 100). The table contains numerical values for each combination of diameter and thickness, with some cells highlighted in yellow, orange, or green.

TOLLERANZE A NORMA EN 10297-1

Sul diametro esterno: ±1% con un minimo di ±0,5 mm.

Sull'ovalizzazione e sull'eccentricità: sono ammesse nei limiti di quelle sul diametro esterno e sullo spessore.

Sulla rettilineità: ≤1,5‰ misurata sull'intera lunghezza del tubo.

Sulla massa: ± 10% per il singolo tubo ± 7,5% per partite di almeno 10t.

Sullo spessore:

±12,5%

±15%

±20%

FORMULA kg/m: (diametro-spess.) x spess. x 24,66 / 1000



TONDI, QUADRI, ESAGONI

mm	Tondi	Quadri	Esagoni	mm	Tondi	Quadri	Esagoni	mm	Tondi	Quadri	mm	Tondi	Quadri
	kg / m	kg / m	kg / m		kg / m	kg / m	kg / m		kg / m	kg / m		kg / m	kg / m
2	0,025	0,031	0,027	43	11,390	14,515	12,570	175	188,650	240,406	600	2.217,600	2.826,000
2,5	0,039	0,049	0,042	44	11,926	15,198	13,162	180	199,584	254,340	610	2.292,136	
3	0,055	0,071	0,061	45	12,474	15,896	13,767	185	210,826	268,666	620	2.367,904	
3,5	0,075	0,096	0,083	46	13,035	16,611	14,385	190	222,376	283,385	630	2.444,904	
4	0,099	0,126	0,109	47	13,607	17,341	15,017	200	246,400	314,000	640	2.523,136	
4,5	0,125	0,159	0,138	48	14,193	18,086	15,663	210	271,656	346,185	650	2.602,600	3.316,625
5	0,154	0,196	0,170	49	14,790	18,848	16,323	220	298,144	379,940	660	2.683,296	
6	0,222	0,283	0,245	50	15,400	19,625	16,996	230	325,864	415,265	670	2.765,224	
7	0,302	0,385	0,333	52	16,657	21,226	18,383	240	354,816	452,160	680	2.848,384	
8	0,394	0,502	0,435	53	17,303	22,051	19,096	250	385,000	490,625	690	2.932,776	
9	0,499	0,636	0,551	55	18,634	23,746	20,565	260	416,416	530,660	700	3.018,400	3.846,500
10	0,616	0,785	0,680	57	20,014	25,505	22,088	270	449,064	572,265	710	3.105,256	
11	0,745	0,950	0,823	58	20,722	26,407	22,869	280	482,944	615,440	720	3.193,344	
12	0,887	1,130	0,979	60	22,176	28,260	24,474	290	518,056	660,185	730	3.282,664	
13	1,041	1,327	1,149	63	24,449	31,157	26,982	300	554,400	706,500	740	3.373,216	
14	1,207	1,539	1,332	65	26,026	33,166	28,723	310	591,976		750	3.465,000	4.415,625
15	1,386	1,766	1,530	68	28,484	36,298	31,435	320	630,784		760	3.558,016	
16	1,577	2,010	1,740	70	30,184	38,465	33,312	330	670,824		770	3.652,264	
17	1,780	2,296	1,965	73	32,827	41,833	36,228	340	712,096		780	3.747,744	
18	1,996	2,543	2,203	75	34,650	44,156	38,240	350	754,600	961,625	790	3.844,456	
19	2,224	2,834	2,454	78	37,477	47,759	41,361	360	798,336		800	3.942,400	5.024,000
20	2,464	3,140	2,719	80	39,424	50,240	43,509	370	843,304		810	4.041,576	
21	2,717	3,462	2,998	83	42,436	54,079	46,833	380	889,504		820	4.141,984	
22	2,981	3,799	3,290	85	44,506	56,716	49,118	390	936,936		830	4.243,624	
23	3,259	4,153	3,596	88	47,703	60,790	52,646	400	985,600	1.256,000	840	4.346,496	
24	3,548	4,522	3,916	90	49,896	63,585	55,066	410	1.035,496		850	4.450,600	5.671,625
25	3,850	4,906	4,249	93	53,278	67,895	58,798	420	1.086,624		860	4.555,936	
26	4,164	5,307	4,596	95	55,594	70,846	61,355	430	1.138,984		870	4.662,504	
27	4,491	5,723	4,956	98	59,161	75,391	65,291	440	1.192,576		880	4.770,304	
28	4,829	6,154	5,330	100	61,600	78,500	67,983	450	1.247,400	1.589,625	890	4.879,336	
29	5,181	6,602	5,717	105	67,914	86,546	74,951	460	1.303,456		900	4.989,600	6.358,500
30	5,544	7,065	6,118	110	74,536	94,985	82,259	470	1.360,744		910	5.101,096	
31	5,920	7,544	6,533	115	81,466	103,816	89,907	480	1.419,264		920	5.213,824	
32	6,308	8,038	6,961	120	88,704	113,040	97,895	490	1.479,016		930	5.327,784	
33	6,708	8,549	7,403	125	96,250	122,656	106,223	500	1.540,000	1.962,500	940	5.442,976	
34	7,121	9,075	7,859	130	104,104	132,665	114,891	510	1.602,216		950	5.559,400	7.084,625
35	7,546	9,616	8,328	135	112,266	143,066	123,899	520	1.665,664		960	5.677,056	
36	7,983	10,174	8,811	140	120,736	153,860	133,247	530	1.730,344		970	5.795,944	
37	8,433	10,747	9,307	145	129,514	165,046	142,934	540	1.796,256		980	5.916,064	
38	8,895	11,335	9,817	150	138,600	176,625	152,962	550	1.863,400	2.374,625	990	6.037,416	
39	9,369	11,940	10,340	155	147,994	188,596	163,329	560	1.931,776		1000	6.160,000	7.850,000
40	9,856	12,560	10,877	160	157,696	200,960	174,036	570	2.001,384		1100	7.453,600	
41	10,355	13,196	11,428	165	167,706	213,716	185,084	580	2.072,224		1200	8.870,400	
42	10,866	13,847	11,992	170	178,024	226,865	196,471	590	2.144,296		1300	10.410,400	13.266,500

FORMULE kg/m

TONDI (D² x 6,16) : 1000

QUADRI (L² x 7,85) : 1000

ESAGONI {[[(chiave:2)² x 3,4641] x 7,85] : 1000





PIATTI E LARGHI PIATTI

kg/m	SPESSORE (mm)																						
	2	3	4	5	6	7	8	10	12	14	15	16	18	20	22	25	30	35	40	50	60	70	80
6	0,094	0,141	0,188	0,236	0,283	0,330	0,377	0,471	0,565	0,659	0,707	0,754	0,848	0,942	1,036	1,178	1,413	1,649	1,884	2,355	2,826	3,297	3,768
8	0,126	0,188	0,251	0,314	0,377	0,440	0,502	0,628	0,754	0,879	0,942	1,005	1,130	1,256	1,382	1,570	1,884	2,198	2,512	3,140	3,768	4,396	5,024
10	0,157	0,236	0,314	0,393	0,471	0,550	0,628	0,785	0,942	1,099	1,178	1,256	1,413	1,570	1,727	1,963	2,355	2,748	3,140	3,925	4,710	5,495	6,280
12	0,188	0,283	0,377	0,471	0,565	0,659	0,754	0,942	1,130	1,319	1,413	1,507	1,696	1,884	2,072	2,355	2,826	3,297	3,768	4,710	5,652	6,594	7,536
14	0,220	0,330	0,440	0,550	0,659	0,769	0,879	1,099	1,319	1,539	1,649	1,758	1,978	2,198	2,418	2,748	3,297	3,847	4,396	5,495	6,594	7,693	8,792
15	0,236	0,353	0,471	0,589	0,707	0,824	0,942	1,178	1,413	1,649	1,766	1,884	2,120	2,355	2,591	2,944	3,533	4,121	4,710	5,888	7,065	8,243	9,420
16	0,251	0,377	0,502	0,628	0,754	0,879	1,005	1,256	1,507	1,758	1,884	2,010	2,261	2,512	2,763	3,140	3,768	4,396	5,024	6,280	7,536	8,792	10,048
18	0,283	0,424	0,565	0,707	0,848	0,989	1,130	1,413	1,696	1,978	2,120	2,261	2,543	2,826	3,109	3,533	4,239	4,946	5,652	7,065	8,478	9,891	11,304
20	0,314	0,471	0,628	0,785	0,942	1,099	1,256	1,570	1,884	2,198	2,355	2,512	2,826	3,140	3,454	3,925	4,710	5,495	6,280	7,850	9,420	10,990	12,560
22	0,345	0,518	0,691	0,864	1,036	1,209	1,382	1,727	2,072	2,418	2,591	2,763	3,109	3,454	3,799	4,318	5,181	6,045	6,908	8,635	10,362	12,089	13,816
25	0,393	0,589	0,785	0,981	1,178	1,374	1,570	1,963	2,355	2,748	2,944	3,140	3,533	3,925	4,318	4,906	5,888	6,869	7,850	9,813	11,775	13,738	15,700
30	0,471	0,707	0,942	1,178	1,413	1,649	1,884	2,355	2,826	3,297	3,533	3,768	4,239	4,710	5,181	5,888	7,065	8,243	9,420	11,775	14,130	16,485	18,840
35	0,550	0,824	1,099	1,374	1,649	1,923	2,198	2,748	3,297	3,847	4,121	4,396	4,946	5,495	6,045	6,869	8,243	9,616	10,990	13,738	16,485	19,233	21,980
40	0,628	0,942	1,256	1,570	1,884	2,198	2,512	3,140	3,768	4,396	4,710	5,024	5,652	6,280	6,908	7,850	9,420	10,990	12,560	15,700	18,840	21,980	25,120
45	0,707	1,060	1,413	1,766	2,120	2,473	2,826	3,533	4,239	4,946	5,299	5,652	6,359	7,065	7,772	8,831	10,598	12,364	14,130	17,663	21,195	24,728	28,260
50	0,785	1,178	1,570	1,963	2,355	2,748	3,140	3,925	4,710	5,495	5,888	6,280	7,065	7,850	8,635	9,813	11,775	13,738	15,700	19,625	23,550	27,475	31,400
55	0,864	1,295	1,727	2,159	2,591	3,022	3,454	4,318	5,181	6,045	6,476	6,908	7,772	8,635	9,499	10,794	12,953	15,111	17,270	21,588	25,905	30,223	34,540
60	0,942	1,413	1,884	2,355	2,826	3,297	3,768	4,710	5,652	6,594	7,065	7,536	8,478	9,420	10,362	11,775	14,130	16,485	18,840	23,550	28,260	32,970	37,680
65	1,021	1,531	2,041	2,551	3,062	3,572	4,082	5,103	6,123	7,144	7,654	8,164	9,185	10,205	11,226	12,756	15,308	17,859	20,410	25,513	30,615	35,718	40,820
70	1,099	1,649	2,198	2,748	3,297	3,847	4,396	5,495	6,594	7,693	8,243	8,792	9,891	10,990	12,089	13,738	16,485	19,233	21,980	27,475	32,970	38,465	43,960
75	1,178	1,766	2,355	2,944	3,533	4,121	4,710	5,888	7,065	8,243	8,831	9,420	10,598	11,775	12,953	14,719	17,663	20,606	23,550	29,438	35,325	41,213	47,100
80	1,256	1,884	2,512	3,140	3,768	4,396	5,024	6,280	7,536	8,792	9,420	10,048	11,304	12,560	13,816	15,700	18,840	21,980	25,120	31,400	37,680	43,960	50,240
90	1,413	2,120	2,826	3,533	4,239	4,946	5,652	7,065	8,478	9,891	10,598	11,304	12,717	14,130	15,543	17,663	21,195	24,728	28,260	35,325	42,390	49,455	56,520
100	1,570	2,355	3,140	3,925	4,710	5,495	6,280	7,850	9,420	10,990	11,775	12,560	14,130	15,700	17,270	19,625	23,550	27,475	31,400	39,250	47,100	54,950	62,800
110	1,727	2,591	3,454	4,318	5,181	6,045	6,908	8,635	10,362	12,089	12,953	13,816	15,543	17,270	18,997	21,588	25,905	30,223	34,540	43,175	51,810	60,445	69,080
120	1,884	2,826	3,768	4,710	5,652	6,594	7,536	9,420	11,304	13,188	14,130	15,072	16,956	18,840	20,724	23,550	28,260	32,970	37,680	47,100	56,520	65,940	75,360
130	2,041	3,062	4,082	5,103	6,123	7,144	8,164	10,205	12,246	14,287	15,308	16,328	18,369	20,410	22,451	25,513	30,615	35,718	40,820	51,025	61,230	71,435	81,640
140	2,198	3,297	4,396	5,495	6,594	7,693	8,792	10,990	13,188	15,386	16,485	17,584	19,782	21,980	24,178	27,475	32,970	38,465	43,960	54,950	65,940	76,930	87,920
150	2,355	3,533	4,710	5,888	7,065	8,243	9,420	11,775	14,130	16,485	17,663	18,840	21,195	23,550	25,905	29,438	35,325	41,213	47,100	58,875	70,650	82,425	94,200
160	2,512	3,768	5,024	6,280	7,536	8,792	10,048	12,560	15,072	17,584	18,840	20,096	22,608	25,120	27,632	31,400	37,680	43,960	50,240	62,800	75,360	87,920	100,480
170	2,669	4,004	5,338	6,673	8,007	9,342	10,676	13,345	16,014	18,863	20,018	21,352	24,021	26,690	29,359	33,363	40,035	46,708	53,380	66,725	80,070	93,415	106,760
180	2,826	4,239	5,652	7,065	8,478	9,891	11,304	14,130	16,956	19,782	21,195	22,608	25,434	28,260	31,086	35,325	42,390	49,455	56,520	70,650	84,780	98,910	113,040
200	3,140	4,710	6,280	7,850	9,420	10,990	12,560	15,700	18,840	21,980	23,550	25,120	28,260	31,400	34,540	39,250	47,100	54,950	62,800	78,500	94,200	109,900	125,600
250	3,925	5,888	7,850	9,813	11,775	13,738	15,700	19,625	23,550	27,475	29,438	31,400	35,325	39,250	43,175	49,063	58,875	68,688	78,500	98,125	117,750	137,375	157,000
300	4,710	7,065	9,420	11,775	14,130	16,485	18,840	23,550	28,260	32,970	35,325	37,680	42,390	47,100	51,810	58,875	70,650	82,425	94,200	117,750	141,300	164,850	188,400
350	5,495	8,243	10,990	13,738	16,485	19,233	21,980	27,475	32,970	38,465	41,213	43,690	49,455	54,950	60,445	68,688	82,425	96,163	109,900	137,375	164,850	192,325	219,800
400	6,280	9,420	12,560	15,700	18,840	21,980	25,120	31,400	37,680	43,960	47,100	50,240	56,520	62,800	69,080	78,500	94,200	109,900	125,600	157,000	188,400	219,800	251,200

FORMULA kg/m

PIATTI: [(LARGHEZZA x SPESSORE) x 7,85] : 1000

